IN THE CLAIMS:

1. (Currently Amended) A remote signaling receiver system comprising:

a first transmitter device that generates at least a first wireless communication signal;

a second transmitter device that generates at least a second wireless communication signal; and

a receiver that receives the first and second signals, the receiver including a first ASK demodulator for processing the first signal and a second demodulator for processing the second signal, the second demodulator is not affected by amplitude modulation on the second signal the receiver is programmed to process all received signals using ~~one of the demodulators~~ the first ASK demodulator and only when a received signal is not discernible from an output of the ~~one~~ first ASK demodulator to process the received signal using the ~~other~~ second demodulator.

2. (Previously Presented) The system of claim 1, wherein the second device and the receiver are supported on a vehicle and the second signal provides information regarding a condition of a selected vehicle component.

3. (Previously Presented) The system of claim 2, wherein the second device includes a tire condition sensor and the second signal provides information regarding at least one condition of at least one of the vehicle tires selected from the group of tire pressure, tire temperature, tire thickness and acceleration.

4-5. (Cancelled)

6. (Previously Presented) The system of claim 1, wherein the first transmitter device signal has a first baud rate and the second transmitter device signal has a second baud rate that is at least two times higher than the first baud rate.

7-8. (Cancelled)

9. (Currently Amended) A vehicle remote keyless entry system comprising:

a portable transmitter that generates a wireless communication signal;

at least one sensor device supported relative to a component on the vehicle that senses a condition of the component and generates a wireless communication signal; and

a receiver supported on the vehicle that receives the wireless communication signal from the transmitter ~~signal~~ and the sensor signal, the receiver including a first ASK demodulator for processing the wireless communication signal from the transmitter ~~signal~~ and a second demodulator for processing the sensor signal, the second demodulator is a demodulator that is not sensitive to amplitude modulation, the receiver processing all received signals using the first ASK demodulator and processing a received signal using the second demodulator only if the received signal is not discernable from the processing by the first ASK demodulator.

10. (Previously Presented) The system of claim 9, wherein the sensor device includes a tire condition sensor and the sensor signal provides information regarding a condition of at least one vehicle tire.

11. (Cancelled)

12. (Currently Amended) The system of claim ~~11~~9, wherein the second demodulator is a FSK demodulator.

13. (Cancelled)

14. (Original) The system of claim 9, wherein the transmitter signal has a first baud rate and the sensor signal has a second baud rate that is at least two times higher than the first baud rate.

15. (Original) The system of claim 9, wherein the receiver includes a microprocessor that is programmed to receive the transmitter signal on a first channel and the sensor signal on an image channel.

16-20. (Cancelled)

21. (New) The system of claim 9, wherein the second demodulator is a PSK demodulator.

22. (New) The system of claim 1, wherein the second demodulator is one of a FSK demodulator or a PSK demodulator.

23. (New) A remote signaling receiver system comprising:

an FSK demodulator for receiving a wireless communication signal;

a second, different demodulator for receiving a wireless communication signal; and

a controller that causes a received signal to be processed by the FSK demodulator, the controller determining if an output from the FSK demodulator is squelched during one state and includes noise during an other state, the controller responsively causing the received signal to be processed by the ASK demodulator when the output of the FSK demodulator is squelched during the one state and there is noise during the other state.

24. (New) A remote signaling receiver system comprising:

a microcontroller having a radio frequency channel and an image channel, the microcontroller determining a baud rate of a received wireless communication signal, the microcontroller causing a received wireless communication signal having a first baud rate to be received for processing on the radio frequency channel and causing a wireless communication signal of a second, different baud rate to be received for processing on the image channel.

25. (New) The system of claim 24, wherein the first baud rate is lower than the second, different baud rate.

26. (New) The system of claim 24, wherein the first baud rate corresponds to a signal from a transmitter device and wherein the second baud rate corresponds to a signal from a sensor device that generates a wireless communication signal indicating a sensed condition of a vehicle component.

27. (New) The system of claim 24, wherein the processing on the radio frequency channel is used for ASK demodulation and the processing on the image channel is used for at least one of FSK or PSK demodulation.